

750~810nm 4-port PM Optical Circulator

FEATURES

- High Isolation
- Low Insertion Loss
- Epoxy-Free Optical Path
- High Reliability and Stability
- Low Profile Packaging

APPLICATIONS

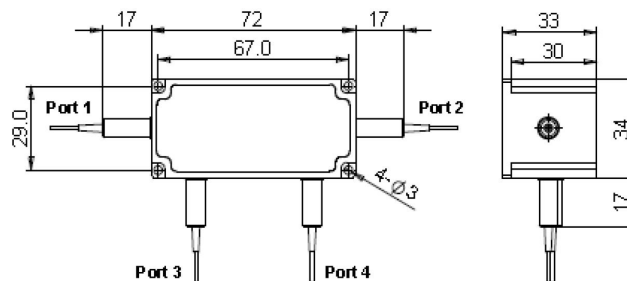
- Fiber Optic Amplifiers
- Fiber Optic Instruments
- WDM Systems
- Dispersion Compensation
- Light Routing

SPECIFICATIONS

Parameter	Unit	Value
Working Wavelength	nm	750±10, 780±10, 793±10, 808±10
Insertion Loss@23°C	(Typ.)	1.0
	(Max.)	1.8
Optical Path	C Type	1→2, 2→3, 3→4 (Loss:4→1 is Uncontrolled)
	D Type	1→2, 2→3, 3→4, 4→1
	E Type	1→2, 2→3, 3→4 (4→1 is Isolated)
Isolation@23°C (4→3, 3→2, 2→1)	(Typ.)	20
	(Min.)	18
Extinction Ratio	dB	≥18
Optical Return Loss	dB	≥45
Cross Talk	dB	≥40
Work Mode	S Type	Can only work in slow axis
	F Type	Can work both in Slow and Fast Axis
Fiber Type	-	PM850 Fiber or PM780-HP Fiber
Fiber Tensile Load	N	5
Maximum Total Optical Power (CW)	W	0.3, 0.5, 1, 2, 3, 5, 10, 15, 20
Operating Temperature	°C	0~50
Storage Temperature	°C	-20~75

- Note:**
- Specifications are for device without connectors; Specifications may change without notice.
 - To add connectors, IL is 0.7dB higher, RL is 5dB lower, ER is 2dB Lower, Connector key is aligned to slow axis.
 - Only guarantee 1W continuous wave (CW) power thru testing for connectors added.
 - Devices for higher optical power or with other type fiber or consigned fiber are also available.
 - Package size may be different for different optical power, configuration and fiber types

PACKAGE DIMENSION



ORDERING INFORMATION (PN)

FPCR- NNN	- (C)	(C) - 4HPNN	- (NN/NN)	- (NN)	- N	C	NN	- CC/CCC	
Center Wavelength	Work Mode	Optical Path	Optical Power(Total)	Optical Power P2/P3	Optical Power P4	Fiber Type	Fiber Sleeve	Fiber Length	Connector Type
750-750nm	F=F Type	D=D Type	03= 300mW	1= 1W	1= 1W	2=PM850 Fiber	B= Bare fiber	05=0.5m	N=Without Connector
780-780nm	Blank for S Type	E=E Type	1= 1 Watts	2= 2W	2= 2W	7=PM780-HP Fiber	L= Loose Tube	10=1.0m	FC/APC=FC/APC Connector
790-790nm		Blank for C Type	3= 3 Watts	5=5W	5=5W		2=2mm Cable	15=1.5m	LC/PC=LC/PC Connector
808-808nm			10= 10 Watts	Blank for P2/3=P1	Blank for None		3=3mm Cable	20=2.0m	SC/UPC=SC/UPC Connector

